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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/642,453	08/15/2003	Stefan Wolf	Harman.5848CON	1599

7590 05/03/2006

Patrick J O Shea
O shea Getz & Kosakowski PC
1500 Main Street
Suite 912
Springfield, MA 01115

EXAMINER

TO, TUAN C

ART UNIT

PAPER NUMBER

3663

DATE MAILED: 05/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/642,453	Applicant(s) WOLF ET AL.	
	Examiner Tuan C. To	Art Unit 3663	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 February 2006.
 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
 4a) Of the above claim(s) 10 and 17 is/are withdrawn from consideration.
 5) ☐ Claim(s) _____ is/are allowed.
 6) ☒ Claim(s) 1-9, 11-16 and 19-23 is/are rejected.
 7) ☐ Claim(s) _____ is/are objected to.
 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
 10) ☒ The drawing(s) filed on 15 August 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☒ All b) ☐ Some * c) ☐ None of:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
 * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>01/20/06</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

Applicant's election with traverse of embodiment of figure 1 in the reply filed on 10/26/2005 is acknowledged. The traversal is on the ground(s) that "there was no restriction requirement entered during the prosecution of the U.S patent 6,647,327".

This is not found persuasive because the following:

The present invention contains two patentability disclosed species.

The requirement is still deemed proper and is therefore made FINAL.

An action on claims 1-9, 11-16, and 18-23 follows:

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation

Art Unit: 3663

under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-9, 11-16, and 18-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gray et al. (US 6377860B1) and in view of Casazza (US 6150925A).

Claims 1, 4-6, 13, 18-23, Gray et al. directs to a vehicle network comprising a plurality of multimedia units such as CD player (220), Radio and tape player (230), GPS (240) connected to the a data bus (120) (Gray et al, figure 3). The vehicle interface device as illustrated in figure 3 acts as the claimed interface by receiving the input requests from the user. A radio connection would be established when the user select the navigation button shown in figure 9.

Gray et al. fails to teach "establish a radio connection between the interface unit and external unit".

Casazza a system/method for exchanging data in a vehicle multimedia system including a PC (12) that is adapted to communicate with external device via a RF link (Casazza, column 1, lines 60-67).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system/method as taught by Gray et al. to include the teachings of Casazza, in order to easily and effectively control variety multimedia functions or establishing a communication between a vehicle communication device and a remote station.

Art Unit: 3663

As to claims 2 and 12, Casazza discloses "transmitting data/commands over the radio connection in both directions between the interface unit and external unit" (Casazza, column 1, lines 60-67, the transmission can be established between personal computer 12 and the external device via RF link).

As to claims 3, 8, 11, and 15, Casazza shows that a plurality of multimedia units (Casazza, column 1, lines 56-59) connects to the PC (12) and that the PC (12) receives multimedia data from external via the RF link. The PC (12) connects to the variety of multimedia unit via the bus (26) (Casazza, column 2, lines 6-9).

As to claims 7, 9, 10, 14, and 16, Casazza teaches that the PC (12) acting as an interface unit wherein said interface is located at an arbitrary location along the data bus (26) (Casazza, figure 1, bus 26).

Response to Arguments

Applicant's arguments filed on 05/31/2005 with respect to claims 1-9, 11-16, and 18-20 have been considered but are moot in view of the new ground(s) of rejection.

Claims 21-23 are also rejected.

Conclusions

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan C To whose telephone number is (571) 272-6985. The examiner can normally be reached on from 8:00AM to 5:00PM.

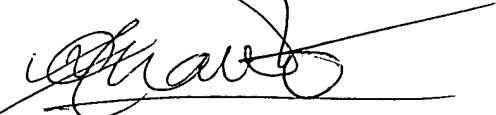
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Keith can be reached on 571-272-6878.

Art Unit: 3663

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner,

A handwritten signature in black ink, appearing to read 'Tuan C To', is written over a horizontal line.

Tuan C To

April 27, 2006